

Series 300 - Commercial Slat Door

Part 1 – GENERAL

1.01 DESCRIPTION

- A. Type:** Standard Commercial Slat Doors to be manufactured by Asta Door Corporation.
B. Operation: to be chain hoist operated using gear reduction or electric operation.
C. Mounting: to be interior face mounted on a prepared opening.

1.02 RELATED WORK

- A. Opening preparation, access panels, finish or field painting are in the scope of the work of other sections or trades.

Part 2 - PRODUCT

2.01 CURTAIN

- A. Slats:** Galvanized steel cold roll formed in continuous lengths. Galvanized according to A.S.T.M. A653-G90 and finished with baked epoxy primer and baked polyester topcoat.
1. Model 324 – 24 gauge in flat or curved slat up to 16' (4.88m) wide x 16' (4.88m) high
2. Model 322 – 22 gauge in flat or curved slat up to 12' (3.66m) wide x 12' (3.66m) high
B. Endlocks: each end of alternate slats to be fitted with nylon endlocks to provide a wearing surface in the guides and to maintain slat alignment.
C. Bottom Bar: curtain to be reinforced with a bottom bar consisting of a 2" x 1 ½" x 12-gauge angle fastened to aluminum retainer with bulb astragal.

2.02 DRUM ASSEMBLY

- A. Drum:** 26-gauge 12" (304.8mm) diameter galvanized steel spiral torque tube attached to 16-gauge galvanized steel drums, with ball bearings, supported by 1-5/16" O.D. steel tubing.
B. Springs: factory lubricated, oil tempered, helical torsion springs located inside the barrel made of wire conforming to ASTM A229. Springs are attached to the steel axle tube by means of a welded spring clip, the springs are designed to cycle 12,500 times.
C. End Bearings: to be self-lubricating ball bearings.

2.03 SUPPORT BRACKETS

- A. Support Brackets:** to be 3/16" (4.76mm) thick steel angles and a 1/4" (6.35mm) thick steel diagonal brace welded in a triangular form to support ends of drum assembly.

2.04 OPERATION

- A. Drive:** reduction gear chain hoist standard for all sizes.
B. Hand Chain: to be galvanized machine link. Pull not to exceed 35 lbs.
C. Electric Operation: Wall mounted jackshaft motor.

2.05 GUIDE ASSEMBLY

- A. Guides:** to be roll formed 12-gauge heavy duty galvanized steel channels (3 ½" deep).
B. Guide Depth: to provide slat penetration adequate to satisfy specified windloading.

2.06 LOCKING

- A. Hand Chain Lock:** bracket, to be mounted on guide angle or wall.
B. Curtain Lock: hardened galvanized steel slide bolts attached to bottom angle suitable for padlocking. (padlock by others)

2.07 FINISH

- A. Ungalvanized Surfaces:** to be shop coated with rust reducing black prime paint. Finish options, satin white, gray or tan topcoat.

3.01 INSTALLATION

- A. Installation:** to be by Asta Door Corporation authorized representative according to Asta Door Corporation standards and instructions.